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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|---|---|---|---|
| 10/779,990 | 02/17/2004 | Raymond A. Blanchard JR. | M-643 | 1335 |

7590 12/22/2005

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| EXAMINER | |
|---|---|
| WILLIAMS, KEVIN D | |

| ART UNIT | PAPER NUMBER |
|---|---|
| 2854 | |

DATE MAILED: 12/22/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

| Office Action Summary | Application No. | Applicant(s) | |
|---|---|---|---|
| | 10/779,990 | BLANCHARD ET AL. | |
| | Examiner | Art Unit | |
| | Kevin D. Williams | 2854 | |

*-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --*

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

1)☒ Responsive to communication(s) filed on *22 August 2005*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

4)☒ Claim(s) *1-89* is/are pending in the application.

4a) Of the above claim(s) *26-89* is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-25* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

**Application Papers**

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *17 February 2004* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date *5/26/04;7/27/05*; 10/14/05
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

## DETAILED ACTION

### *Election/Restrictions*

1. Applicant's election of Group I, claims 1-25 in the reply filed on 8/22/2005 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

### *Claim Objections*

2. Claims 2 and 3-8, are objected to because of the following informalities:

Claim 2 recites the limitation "the clamp" in line 5. This limitation lacks proper antecedent basis in the claim.

Claim 3 recites the limitation "the clamp" in line 5. This limitation lacks proper antecedent basis in the claim.

Appropriate correction is required.

### *Claim Rejections - 35 USC § 102*

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-17, and 19-23 are rejected under 35 U.S.C. 102(b) as being anticipated by Vogel (US 6,338,452).

With respect to claim 1, Vogel teaches a holder for a supply roll, comprising: a hub 220,240,320 for mounting a supply roll, a clamp having at least one clamp member 310 extendable and movable into clamping relationship to a side of a supply roll and wherein the at least one clamp member is retractable to enable a supply roll to be loaded onto the hub, and means 260 for extending the at least one clamp member into extended relationship to the side of the supply roll and for moving the at least one clamp member into clamping relationship to the side of the supply roll and for thereafter moving the at least one clamp member out of clamping relationship to the side of the supply roll and for retracting the at least one clamp member.

With respect to claim 2, Vogel teaches a holder for a supply roll, comprising: a hub 220,240,320 for holding a supply roll, an axially extending shaft 250 having a threaded portion with right-hand threads and a threaded portion with left-hand threads, a manually engageable knob 400 for rotating the shaft, the hub 220,240,320 being threadably mounted on one of the threaded portions (col. 8, lines 42-46), the clamp including a carrier 230, the carrier being threadably mounted on the other threaded portion (col. 8, lines 42-46), the clamp further including at least one clamp member 310 movable between extended and retracted positions, the at least one clamp member having a slot (area through 310 that pin 260 travels as seen in Fig. 2 along centerline of 260), at least one control member 260 mounted on the hub and extending through the slot so that rotation of the knob in one direction causes the control member to move the

at least one clamp member to its extended position and causes the hub and the at least one clamp member to move toward each other so that the at least one clamp member clamps the side of the supply roll.

With respect to claim 3, Vogel teaches a holder for a supply roll, comprising: a hub 220,240,320 for holding a supply roll, an axially extending shaft 250 having a threaded portion with right-hand threads and a threaded portion with left-hand threads, a manually engageable knob 400 for rotating the shaft, the hub 220,240,320 being threadably mounted on one of the threaded portions, the clamp 310,230,210 including a carrier 210,230, the carrier being threadably mounted on the other threaded portions and having a slot (portion of 260 that passing through 210), the clamp further including at least one clamp member 310 on the carrier and movable between extended and retracted positions, the clamp member having a slot (area through 310 that pin 260 travels as seen in Fig. 2 along centerline of 260), at least one control member 260 mounted on the hub and extending through the slots so that rotation of the knob in one direction causes the at least one control member to move the at least one clamp member to its extended position and causes the hub and the at least one clamp member to move toward each other until the at least one clamp member clamps the side of the supply roll and so that rotation of the knob in the opposite direction causes the at least one control member to move the at least one clamp member to its retracted position and causes the hub and the clamp to move away from each other.

With respect to claim 4, Vogel teaches a holder wherein the knob 400 is on the shaft 250.

With respect to claim 5, Vogel teaches a holder wherein the hub has a shoulder 320, wherein the supply roll is between the shoulder and the at least one clamp member when the at least one clamp member is in its extended position (Fig. 2).

With respect to claim 6, Vogel teaches a holder wherein there are three of said clamp members (Fig. 3) and three of said control members (Fig. 3) and three of said slots (Fig. 3) in the carrier, wherein the clamp members are equally spaced on the carrier, and the control members are equally spaced on the hub (Fig. 3).

With respect to claim 7, Vogel teaches a holder wherein the clamp members are pivotally mounted on the carrier (Fig. 3).

With respect to claim 8, Vogel teaches a holder wherein the at least one clamp member is pivotally mounted on the carrier (Fig. 3).

With respect to claim 9, Vogel teaches a holder for a supply roll, comprising: a hub 220,240,320 having a shoulder 320, a clamp having at least one clamp member 310 movable between a retracted position to enable a supply roll to be mounted on the hub and an extended position in which the clamp member is disposed at a side of the supply roll, and a rotatable shaft 250 having both left-hand and right-hand threads for moving the hub and the clamp in unison toward and away from each other so that the supply roll is clamped between the shoulder and the clamp member when the clamp member is in its extended position.

With respect to claim 10, Vogel teaches a holder for a supply roll, comprising: a hub 220,240,320 for locating a supply roll, a clamp having at least one clamp member 230,310 movable between a retracted position to enable a supply roll to be mounted on

the hub and an extended position in which the at least one clamp member is disposed at a side of the supply roll, a manually rotatable shaft 250, and the at least one clamp member being coupled to the shaft and to the hub to enable the at least one clamp member in its extended position to move into clamping relationship to the side of the supply roll upon rotation of the shaft.

With respect to claim 11, Vogel teaches a holder wherein the shaft has left-hand and right-hand threaded portions (col. 8, lines 42-46), wherein the hub is threadably mounted on one of the threaded portions and the at least one clamp member 230,310 is threadably mounted on the other of the threaded portions.

With respect to claim 12, Vogel teaches s holder wherein the at least one clamp member has an elongate slot (area through 310 that pin 260 travels as seen in Fig. 2 along centerline of 260), a rod 260 on the hub extending generally parallel to the shaft and received in the slot.

With respect to claim 13, Vogel teaches a holder for a supply roll, comprising: a hub 220,240,320 for locating a supply roll, a clamp having at least one clamp member 310 movable between a retracted position to enable a supply roll to be mounted on the hub and an extended position in which the at least one clamp member is disposed at a side of the supply roll, a shaft 250 manually rotatable in opposite directions, and the at least one clamp member being coupled to the shaft and to the hub to enable the at least one clamp member in its extended position to move into clamping relationship to the side of the supply roll upon rotation of the shaft in one direction and to enable the at

least one clamp member to move out of clamping relationship upon rotation of the shaft in the other direction.

With respect to claim 14, Vogel teaches a holder for a supply roll, comprising: a hub 220,240,320 for mounting a supply roll, a clamp 230,310 extendable and movable into clamping relationship to a side of the supply roll and retractable to enable a supply roll to be loaded onto the hub, a shaft 250 having left-hand and right-hand threaded portions, the hub being threadably mounted by one of the threaded portions and the clamp 230,310 being threadably mounted by the other of the threaded portions to enable movement of the hub and the clamp relatively toward and away from each other.

With respect to claim 15, Vogel teaches a holder wherein the clamp includes a carrier 230 threadably received by the other of the threaded portions and the at least one clamp member on the carrier movable between extended and retracted positions.

With respect to claim 16, Vogel teaches a holder wherein the at least one clamp member is pivotally (Fig. 3) mounted to the carrier, and at least one control member 260 on the hub, wherein the at least one control member causes the at least one clamp member to move between extended and retracted positions upon rotation of the shaft.

With respect to claim 17, Vogel teaches a holder including a knob 400 for rotating the shaft.

With respect to claim 19, Vogel teaches holder for a supply roll, comprising: a hub 220,240,320 for mounting a supply roll, a clamp having at least one clamp member 230,310 extendable and movable into clamping relationship to a side of a supply roll and wherein the at least one clamp member is retractable to enable a supply roll to be

loaded onto the hub, and means 260 for extending the at least one clamp member into extended relationship to the side of the supply roll and for moving the at least one clamp member into clamping relationship to the side of the supply roll.

With respect to claim 20, Vogel teaches a method of holding a supply roll, comprising: mounting a supply roll on a hub 220,240,320, providing at least one clamp member 230,310, moving the at least one clamp member from a retracted position to an extended position along a side of the supply roll, and moving the at least one clamp member and the hub toward each other in unison to clamp the supply roll to the hub.

With respect to claim 21, Vogel teaches a method of holding a supply roll, comprising: mounting a supply roll on a hub 220,240,320, providing at least one clamp member 230,310, and simultaneously moving the at least one clamp member from a retracted position to an extended position along a side of the supply roll and moving the at least one clamp member and the hub relatively toward each other to clamp the supply roll to the hub.

With respect to claim 22, Vogel teaches a method of holding a supply roll, comprising: mounting a supply roll on a hub 220,240,320, providing at least one clamp member, moving the at least one clamp member from a retracted position to an extended position along a side of the supply roll, moving the at least one clamp member in its extended position and the hub relatively toward each other to clamp the supply roll to the hub, and thereafter moving the at least one clamp member from the extended position to the retracted position and relatively away from the hub.

With respect to claim 23, Vogel teaches method of holding a supply roll, comprising: mounting a supply roll on a hub 220,240,320, providing at least one clamp member 230,310, simultaneously moving the at least one clamp member from a retracted position to an extended position along a side of the supply roll and moving the at least one clamp member and the hub relatively toward each other to clamp the supply roll to the hub (col. 8, lines 42-46), and simultaneously moving the at least one clamp member from the extended position to the retracted position and moving the at least one clamp member and the hub relatively away from each other.

***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

6. Claim 18 is rejected under 35 U.S.C. 103(a) as being unpatentable over Vogel in view of Sakumoto (US 4,813,626).

Vogel teaches the claimed invention except for the knob being cup-shaped.

Sakumoto teaches a knob that is cup-shaped 13.

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Vogel to have the cup-shaped knob as taught by Sakumoto, in order to provide a knob that is easily engageable.

7. Claims 24 and 25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Keller (US 6,164,203) in view of Vogel.

Keller teaches a printer, comprising: a print head 69, a center-justifying holder 50 for a web on a supply roll, the holder having a hub for locating the web roll, and a clamp 190 movable between a retracted position to enable a supply roll to be mounted on the hub and an extended position in which the clamp is disposed at a side of the supply roll.

Keller does not teach a manually rotatable shaft, the hub and the clamp being coupled to the shaft to enable the clamp in its extended position to move in unison with the hub to bring the supply roll into alignment with the print head and to clamp the supply roll onto the hub upon rotation of the shaft, wherein the shaft has a left-hand threaded portion and a right-hand threaded portion, wherein the hub is threadably mounted on one portion and the clamp is threadably mounted on the other portion.

Vogel teaches a holder having a manually rotatable shaft, the hub 220,240,320 and the clamp 230,310 being coupled to the shaft 250 to enable the clamp in its extended position to move in unison with the hub to bring the supply roll into alignment for processing and to clamp the supply roll onto the hub upon rotation of the shaft, wherein the shaft has a left-hand threaded portion and a right-hand threaded portion, wherein the hub is threadably mounted on one portion and the clamp is threadably mounted on the other portion.

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Keller to have the holder as taught by Vogel, in order to provide a

roll centering system that is more precise than the Keller system which has a holder guides movable along a series of notches.

***Conclusion***

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin D. Williams whose telephone number is (571) 272-2172. The examiner can normally be reached on Monday - Friday, 8:30am - 6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew H. Hirshfeld can be reached on (571) 272-2168. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

KDW
December 16, 2005

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